Brother Analysis Tool Software for Windows 95/98/Me and NT4.0/2000/XP

Welcome to the Brother Analysis Tool software.

This software is designed to run on Windows 95/98/Me and Windows NT 4.0/2000/XP. This document explains the usage of the Brother Analysis Tool software. For the latest version, please visit the Brother web site at www.brother.com.

The Brother HL-2400C/N, HL-2400Ce/N, HL-3400CN, HL-2460, HL-3260N, HL-2600CN and HL-3450CN printers can write job information to an optional PCMCIA ATA (2400/3400series), HD-6G/HD-EX hard disc drive (all models) or Compact Flash memory (2460/ 3260N/ 2600CN/ 3450CN series). This data can then be retrieved using a standard web browser. You can also retrieve this data by using the Brother Storage Manager software

In order to use this software you must have the following installed in your printer:

- HL-2400C/N, HL-2400CeN and HL-3400CN printer using the optional NC-2010h or NC-2100h or (NC-3100h series print server if using a HL-2400Ce/N or HL-3400CN).
- A PC with a web browser (refer to the print server user guide for Browser version information).
- One optional PCMCIA ATA (2400/3400cn series) card, HD-6G/HD-EX (all models) or Compact Flash memory (2460/3260N/2600CN/ 3450CN series) which has been formatted to work on your printer (refer to your printer user guide for more information)

This software can be used only as a guideline to the approximate cost of a printed document, however, in no event will Brother be liable for any damage, including without limitation any incidental or consequential damages, expenses, lost profits, lost savings or other damages arising out of the use or inability to use this software.

Brother International Europe Ltd, October 2000.

Installing the software

Run the SETUP program from the CD-ROM supplied with the printer.

Removing the software

To remove the software from your PC, run the "Add Remove Programs" applet from control panel. You will see an entry for the Brother Analysis Tool software in your Install/Uninstall tab. Highlight it and click the "Add/Remove" button, the software will then be deleted from your hard disc.

Saving a LOG file

When you start the software for the first time you must specify the name of the file that you wish to load. The software is designed to work with files that you can save when you are connected to the Brother HL-2400C/N, HL-2400Ce/N, HL-3400CN, HL-2460, HL-3260N, HL-2600CN and HL-3450CN printers using your web browser. To create one of these log files do the following:

1. Connect to the appropriate printer using your favourite web browser.

2. Select the "**Administrator Settings**" option and then select the "**View Print Log**" option.

3. From the "**View print log**" screen select the "**View Job Print log**" option.

4. From the "**View Job Print log**" screen select the "CSV(all)" option.

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2 **Note**
If you do not use the "csv(all)" option, or that option is not available to you, YOU MUST specify all the items that the printer can display. For example, if you select all options except for "Print Pages", the Brother Analysis Tool will not function.

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5. Now enter the password for the network card and click the "**View**" button. The data will be displayed in your web browser. The password you use here is the password of the actual print server in the printer. Password information can be found in the userguide of your print server.

6. Select the "**File**" and then "**Save As File**" option from your browser. Now specify the filename that you wish to save to your hard disc or network share. When you save the file, use the CSV extension as the Brother Analysis software will always look for this file extension.

Now that you have saved the file you can launch the Brother Analysis Tool software to analyse the data.

Merging log files

When retrieving a log file from the printer, you may wish to merge portions of it together. For example, the "csv(all)" option displays the data in your web browser is segments of 130 records. This means that if you have 400 records stored on your PCMCIA hard disc you would have to save out 4 separate log files:

      1-131
      132-262
      263-393
      394-400

When you have saved this four log files onto your PC, you can merge them into one individual log file. To do this, simply load the files into a text editor such as Notepad. Then copy and past file entries for each log into one master .csv file. Once all the entries are stored in one file, you can then analyse the data.

This version of the software allows you to process 4000 individual records.

Opening the LOG file

1. Start the software up and select "**File**" and "**Open Log File**".

2. Specify the log file name that you saved from your web browser.

3. The data will then be displayed in a spreadsheet style format.

4. You can now use the filtering options in the software to display specific portions of your data.

5. To do this select "**User Settings**" and "**Configure**" option.

Filtering data

From the general configuration tab you can select the columns that you wish to look at. For example, if you don't care about the any costing information, select the "Cost" item and click on "Remove", this will then place the "Cost" item into the "Available options" box. This will then ensure that no costing information is displayed.

From this screen you can also specify the occurrence of characters in a given filename. If you wish to view files that contain the characters "cv" for example, entering "cv" in the "Filename(s) containing the following" box will only display file names that have the "cv" characters next to each other. This means that "mycv.doc" would be displayed, however a file name that contained "current_value.doc" would not be found even though it contains the "c" and "v" characters.

Cost Per Copy

The costing tab allows you to associate a cost to each of the consumables that can be used on the Brother printer.

Entering no cost details will result in the software not calculating a cost per copy to each print job.

For this feature to work you must specify the type of currency that you are going to use. There are several predefined choices such as Euros, English Pounds, German Marks, US Dollars, etc... If you wish to add your own currency type, simply edit the currency.txt file that is copied to the Brother Analysis Tool directory during installation.

You can use a simple text editor to add more currency types. Once you have edited the file, close the Brother Analysis Tool software and then re-start it. The new entries will then be displayed in the Costing tab.

You do not have to enter information into all of the consumable items, for example, leaving the OPC Belt field blank will result in the Brother Analysis Tool associating a zero value to that field. Which will in effect, mean that that particular consumable is not considered when making a cost calculation.

Advanced Options

The "Advanced" tab allows you to specify a variety of different options:

By changing the "File Type" option you can find specific document types, e.g. Microsoft Word files, Outlook files, etc…

If you wish to create your own file type list, simply edit the `filetype.txt` text file. The filetype.txt file is copied into the same directory that you installed the Brother Analysis Tool software into.

You can select a variety of different options in this screen. If you want to search for the name of a person in you log file, enter their name in the "Specify User Name" option. You do not have to enter their full name, for example, if the user is called "Mark Hunter-Addey", typing "Mark" or "Mark H" will find the name.

You can also specify the minimum and maximum page count. This means that if you wish to find all documents that are greater than 10 pages, enter 10 in the minimum page count box. The minimum figure you can enter is "1".

Colour Settings

The "Colour Settings" tab lets you quickly find black and white documents only, or all full colour documents. If you wish to find specific mixes of colours select the appropriate option next to the "Find Cyan/Magenta/Yellow and Black" prints options.

Miscellaneous Settings

The Misc. tab is used for job filtering.

Sometimes when a print job is sent to the print, the job can be cancelled, or something can go wrong which causes the document not to print. When this happens, bad data can be written to the PCMCIA card. To avoid confusion, the software will automatically hide that data from you. If you wish to see all data, turn off the "Ignore Inconsistent Data". Whenever you start the software, this option is always enabled, in other words, whenever you start the software, bad data will be ignored unless you create a configuration file.

What is bad data?
An example of bad data would be:

```
Print Pages = 1
Cyan count = 0
Magenta count = 0
Yellow count = 0
Black count = 0
```

Saving configuration settings

By clicking the "Save" button, the Brother Analysis Tool will save some of the configuration items that you specify. You can save your costing information, File type information, compile time information, etc…

If you wish to save that data click on the "Save" button. This will save the configuration settings that you make to a filename you specify. The software does not save the General configuration items.

Viewing the data graphically

When you have selected the data that you wish to view, you can easily see the data in a graphical format. To do this, select the "Summary Information" option.

Compilation Details
From here we get a quick summary of what is happening with the print data.

We can see that the name of the person that has submitted the largest print job along with the time it took and what type of paper they used.

By selecting the other tabs, we can see the data graphically.

CMYK (Everyone)
The "CMYK Everyone" tab displays graph data for the entire log file. Any specific filtering that you may have perfomed will not be reflected in this view.

> 2 **Note**
> In this view, if there is any inconsistent data in your log file, the Brother Analysis Tool will still display the data.

CMYK (Specific)
Selecting the "CMYK Specific" option displays another graph, however this time only the graph data will be displayed based on the filtering that you specified.

> 2 **Note**
> In this view, if there is any inconsistent data in your log file, the Brother Analysis Tool will IGNORE the data.

Total Pages
The "Total Pages" tab gives us a usage graph of the print data based on any filtering options that we may have selected.

This allows you to see any printing spikes that may occur. You can use this graph to quickly see if large print jobs are intermittently being sent to the printer.

Media (Everyone)
The "Media Everyone" tab allows us to see what type of paper is being used for our print jobs. This is based on unfiltered data.

> 2 **Note**
> In this view, if there is any inconsistent data in your log file, the Brother Analysis Tool will still display the data.

Media (Specific)
The "Media Specific" tab allows you to see what type of paper is being used for your print jobs.

> 2 **Note**
> In this view, if there is any inconsistent data in your log file, the Brother Analysis Tool will IGNORE the data.

Group Management

In many organisations there are groups of people sharing the same resource. For example, maybe the Sales Department is sharing the HL-2400C printer with the Marketing Department. The Brother Analysis Tool can be used to find specific groups of people.

To do this you must select the "Group Management" option.

By default the option is disabled, but by selecting the "Examine groups of people" option you can specify which group of people you wish to see. The sample file that is supplied with the Brother Analysis Tool contains four example groups.

To create your own groups do the following:

Use a text editor to edit the file GROUP.TXT file. A sample file could look like this:

`GROUP:`	Tell the software that this is a new group
`ETS`	The name of the group
`Richard Thomas`	The name of the person inside the group
`Martin Pugh`	
`Ken Redfern`	
`ENDGROUP:`	Tell the software that this is the end of the group
`GROUP:`	
`Japan Printer Group`	
`Kanae Hayase`	
`Hiroshi Mimura`	
`Hiroyuki Funahashi`	
`ENDGROUP:`	

When the software sees the word "GROUP:" it knows that it is the beginning of a group definition. Then the next line tells the software the group name. Then the following lines list the name of the people inside the group. To tell the software that the group definition is finished you must use "ENDGROUP:".

To create your own group do the following:

`GROUP:`	Tell the software that this is a new group
`Group_name`	The name of the group
`Person x`	The name of the person inside the group
`Person x`	
`ENDGROUP:`	Tell the software that this is the end of the group

When you click on "OK" the Brother Analysis Tool will only find those names that you specify. This is useful if you wish to associate a cost with each individual user.

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2 **Note**
You can create a total of 100 groups with 100 people residing in each group.

Getting your specific data back into a Spreadsheet

When you have analysed the data, you may decide that you wish to print that data for future reference. The best way to do this it to load the data back into a spreadsheet program such as Microsoft's Excel software. To do this select the **User Settings | Document properties** option. You are then able to enter some details about the data that you are analysing, for example the Department name, the company name etc. Enter this information and then click the "**Write this information to the report file**" option. Now when you select the **File | Save** Report option your data will be exported into the filename that you specify. You can now load this file back into your spreadsheet software.

Limitations

The HL-2400C/N, HL-2400Ce/N, HL-3400CN, HL-2460, HL-3260N, HL-2600CN and HL-3450CN printers have a job reprint function, this means that when a job is sent to the printer, the user can reprint the job using the printer front panel. If a user selects the job reprint function, it does not log the information to the job log.

For best performance Brother recommend that you obtain the last version of software for your printer. We recommend that you use version 2.08 or later (if using the HL-2400C/N). The latest firmware for your Brother printer is available on the Brother web site.